

Application No.: 09/937,767

Docket No.: 20234-00073-US

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claims 1-19 canceled

20. (Currently amended) A wrench as claimed in Claim ~~1~~ 23, wherein said ring portion is pivotably connected to a yoke portion of said head and comprises a plurality of segments interconnected by an elongate flexible member having first and second free ends secured to said yoke portion such that pivoting movement of said ring relative to said yoke in a predetermined direction causes a length of said elongate flexible member passing around said ring to be shortened and the ring to close.

21. (Currently amended) A wrench as claimed in claim ~~20~~ 23, wherein first and second segments of said ring are formed integrally with one another as part of a pivot member pivotably mounted in said yoke by means of a pivot pin and the remainder of said segments are formed as discrete members, said flexible elongate member being threaded through said remainder of said segments and the free ends thereof passing around an outer surface of said pivot member and around said pivot pin.

22. (Currently amended) A wrench as claimed in Claim ~~21~~ 23, wherein the first free end of the flexible elongate member extends from one of said discrete segments, passes around one part of said outer surface of said pivot member opposite an inner surface thereof defining a first segment, over the top of, around and under the pivot pin, and out of the front of the yoke portion, and wherein the second free end [of the] of the elongate flexible member extends from another of said discrete segments, passes around a second part of said outer surface of the pivot member opposite an inner surface thereof defining a second segment, under the first free end and the pivot pin, and out of the front of the yoke portion.

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23. (New) A wrench having a head portion adapted to engage and apply torque to a workpiece, and turning means for turning said head portion, the wrench further comprising:

a flexible ring portion included in said head portion and attached to said turning means at one end and free at its other end, said ring portion having an inner working surface for engaging the workpiece;

clamping means included in the turning means for clamping the free end of the ring portion against the workpiece when the turning means is turned in a predetermined direction;

a portion of the flexible ring portion at or adjacent the free end thereof having an external, first cam surface which defines a wedge shape with the inner working surface of said portion;

said wedge shape increasing in thickness towards the free end of the flexible ring portion; and

said clamping means having a second cam surface arranged to cooperate with said wedge-shaped portion so that when torque is applied to said head portion in said predetermined direction, said wedge-shaped portion is urged in such a peripheral direction relative to the workpiece as to tend to close the flexible ring portion around said workpiece.

24. (New) A wrench as claimed in claim 23, wherein said second cam surface is generally convex.

25. (New) A wrench as claimed in claim 23, wherein said first cam surface is generally concave.

26. (New) A wrench as claimed in claim 23, wherein said second cam surface is formed integrally with said wrench.

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27. (New) A wrench as claimed in claim 23, wherein said second cam surface is provided by an insert.

28. (New) A wrench as claimed in claim 23, wherein said ring member comprises a plurality of segments.

29. (New) A wrench as claimed in claim 28, wherein said segments define a generally polygonal inner surface of said ring member.

30. (New) A wrench as claimed in claim 28, wherein each of said segments has an inner surface which is generally convex in the circumferential direction of said ring member.

31. (New) A wrench as claimed in 28, wherein at least some of said segments are formed integrally with one another and said ring member is adapted to deform resiliently at junctions between adjacent, integrally formed segments.

32. (New) A wrench as claimed in claim 31, wherein said junctions between adjacent, integrally formed rings have a reduced thickness in the radial direction as compared with the remainder of said segments.

33. (New) A wrench as claimed in claim 32, wherein said junctions comprise portions of the inner surface of said ring member which are generally concave in the circumferential direction of said ring member.

34. (New) A wrench as claimed in claim 23, wherein the inner surface of said ring member is corrugated.

35. (New) A wrench as claimed in claim 23, wherein said head portion includes means for limiting movement of said portion of said ring member relative to said fixed end thereof in said predetermined direction.

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36. (New) A wrench as claimed in claim 23, wherein said head portion includes means for limiting movement of said portion of said ring member relative to said fixed end thereof in a direction opposite to said predetermined direction.

37. (New) A wrench as claimed in claim 23, wherein said head portion includes hinge means whereby at least a portion of said ring member may be pivoted in the plane of said ring member relative to the remainder of said head portion.

38. (New) A wrench as claimed in claim 37, wherein said ring member comprises a plurality of segments and wherein said hinge means is located between at least one pair of adjacent segments.

39. (New) A wrench as claimed in claim 36, including resilient bias means associated with said hinge means and adapted to bias said ring member towards a closed position.